

Title (en)

High-pressure lamp and associated system and method for the resonant operation of high-pressure lamps in longitudinal mode

Title (de)

Hochdrucklampe und zugehöriges Betriebsverfahren für den Resonanzbetrieb von Hochdrucklampen im longitudinal Mode und zugehöriges System

Title (fr)

Lampe à haute-pressure, ainsi que appareil et méthode pour la commande sur le mode de résonance longitudinal de la lampe à haute-pressure.

Publication

EP 1729324 A3 20091111 (DE)

Application

EP 06011023 A 20060529

Priority

DE 102005025155 A 20050601

Abstract (en)

[origin: EP1729324A2] The lamp has a ceramic discharge container with inner volume having inner length (IL) and maximum inner diameter (ID). The container is divided into two end sections. The container has an aspect ratio in particular 3 to 6. An inner diameter of the section reduces to 60 percent from the ID, so that a front surface remains at the end of the container. The surface has a 20 percent of ID as its inner diameter. Independent claims are also included for the following: (1) a method for the resonant operation of high-pressure lamps (2) a system for the resonant operation of high-pressure lamps.

IPC 8 full level

H01J 61/30 (2006.01); **H05B 41/292** (2006.01)

CPC (source: EP US)

H01J 61/30 (2013.01 - EP US); **H01J 61/827** (2013.01 - EP US); **H05B 41/2887** (2013.01 - EP US); **H05B 41/2925** (2013.01 - EP US); **H05B 41/2928** (2013.01 - EP US); **H05B 41/3928** (2013.01 - EP US); **Y02B 20/00** (2013.01 - EP US)

Citation (search report)

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- [YD] EP 1422980 A1 20040526 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- [YDA] US 2003117075 A1 20030626 - KRAMER JERRY MARTIN [US]
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Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 06011023 A 20060529; CA 2549270 A 20060601; CN 200610149217 A 20060601; DE 102005025155 A 20050601; JP 2006153959 A 20060601; US 44437006 A 20060601